

Title (en)  
COMPOSITE SEMIPERMEABLE MEMBRANE AND METHOD FOR MANUFACTURING SAME

Title (de)  
SEMIPERMEABLE VERBUNDMEMBRAN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
MEMBRANE COMPOSITE SEMI-PERMÉABLE ET SON PROCÉDÉ DE FABRICATION

Publication  
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Application  
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Abstract (en)  
The purpose of the present invention is to provide a composite semipermeable membrane, which has excellent oxidant resistance (chlorine resistance) and salt rejection property, and a method for producing the same. The composite semipermeable membrane has a skin layer, which includes a polyamide-based resin obtained by polymerization of a polyfunctional amine component and a polyfunctional acid halide component and is formed on the surface of a porous support. The polyfunctional amine component includes an alicyclic diamine. The skin layer has an absorption peak intensity of at least 0.03 that is obtained by a Fourier transform infrared spectroscopy (FT-IR) transmission method and originates in the stretching vibration of C=O in the amide groups.

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